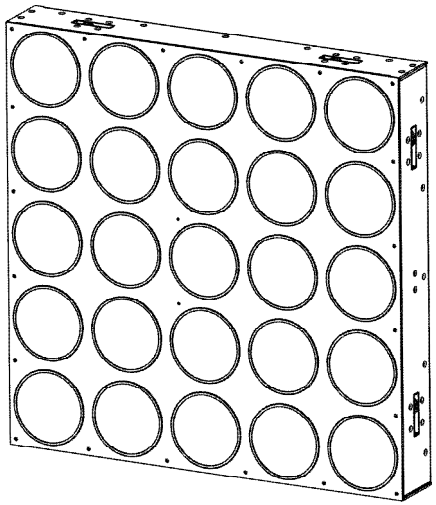
Blinder Matrix, 5x5 LED warm, Beam 6dgr, DMX3



Please read the manual before installing and using this lighting
Keep it for future reference

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Thank you for purchasing our product！Upon receiving the lighting，please carefully check that there has been no damage caused in transportation. If the lighting has been damage, do not use the lighting and contact your dealer or manufacturer.

This product complies with the following standards:
IEC60598-1:2003
IEC60598-2-17:1984+A2:1990

Safety information

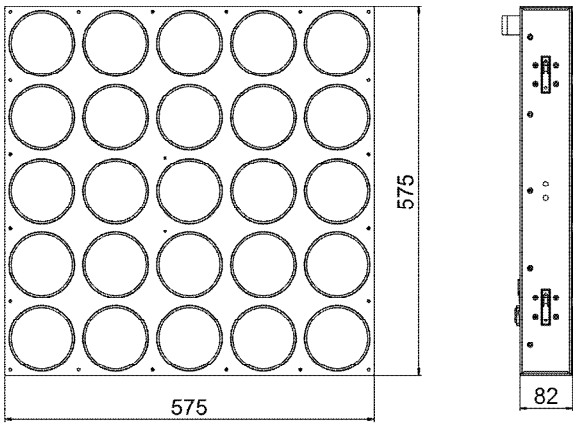
Important

All operation and maintenance must be carried out in accordance with this user manual
Manufacturer will not with responsibility for those operations not according to this Instruction:

- Verify that the voltage matches the rated voltage.
- Always disconnect the power before attempting to open the equipment housing or carrying out any maintenance.
- Do not connect power cable of other electric products with this unit.
- Make sure power socket is connected with earth cable well. The earth cable of this unit is Yellow/Green one.
- Do not expose the fixture to rain or moisture.
- Verify that the feed cables are undamaged and rated for the current requirements of all connected devices before use.
- Never attempt to bypass the thermostatic switch or fuses. Always replace defective fuses with ones of the specified type and rating.

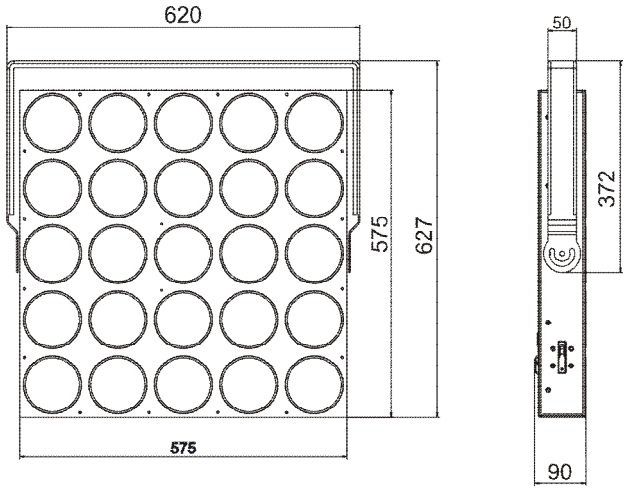
- Ensure that the air flow through fans and vents is free and unobstructed.
- Keep all combustible materials (for example fabric, wood, paper) at least 0.3 meter away from the light. Keep flammable materials well away from the fixture.
- Avoid looking directly into the light source (especially those who suffer from epileptic fits)
- When it is thunderstorm, don't use the light and disconnect the power supply, high voltage will destroy light.
- The max. ambient temperature is 40 °C.
- When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.
- Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.
- Verify that all screws are tightly fastened.
- Don't move the cord directly. It's only allowed with the handle

Dimensions



Note：

User can order the optional handles separately from our company according application (the handles are not supplied with the product), like the below picture:

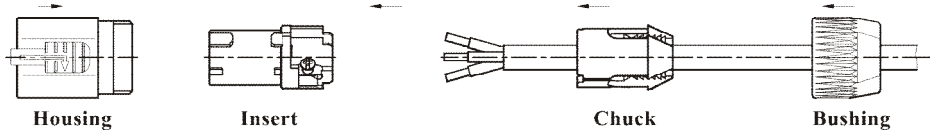


All dimensions are in millimeter

Power connection

- Verify that the voltage matches the rated voltage.
- Make sure power socket is connected with earth cable well.

Installing a Neutrik connector on a power cable

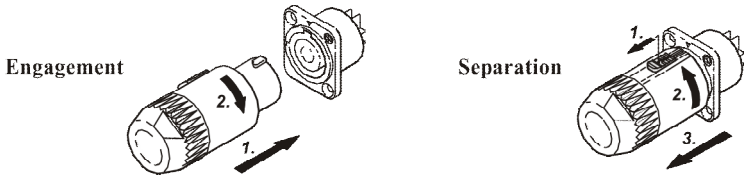


- Put bushing and chuck onto the cable.
- Prepare cable as shown above. The power cable must is a three-conductor 2.5mm^2 cable.
- Insert the wire into the terminals and fasten the clamping device by a flat screw driver.
- Push insert and chuck into housing (pay attention to the guiding keyway.)
- Fasten bushing.

the color-coding schemes and some possible pin identification schemes; if pins are not clearly identified , or if you have any doubts about proper installation , consult a qualified electrician

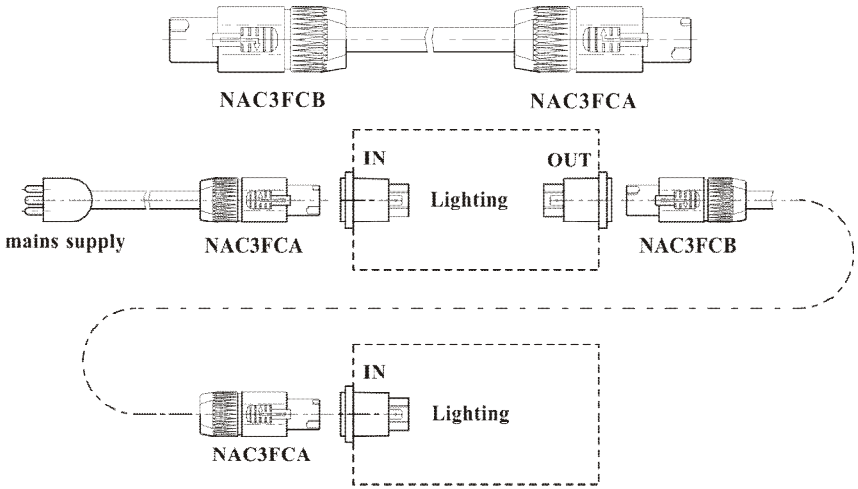
Wire color	***Conductor***	***Symbol***
Brown	Live	L
Blue	Neutral	N
Yellow/green	ground	⏚

Handling



Relaying power to other devices

The lightings can be linked in a chain by power cables which installed a blue and a light-gray connectors on the two ends. The light-gray connector connects to the power out socket of the first lighting, and the blue connector connects to the power in socket of the subsequent lighting, and so on.

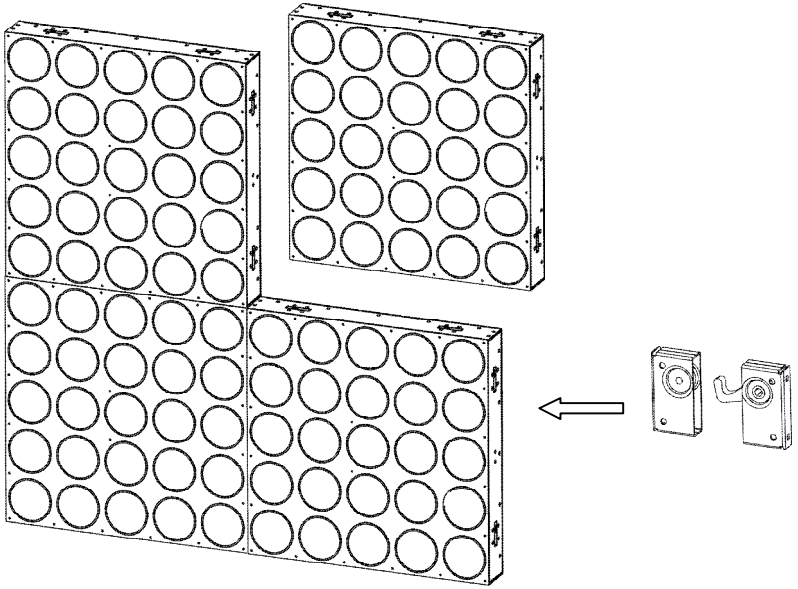


The power cable must is a three-conductor 2.5mm^2 cable.

Do not connect more than 8 lightings in total to AC mains power in one interconnected daisy chain

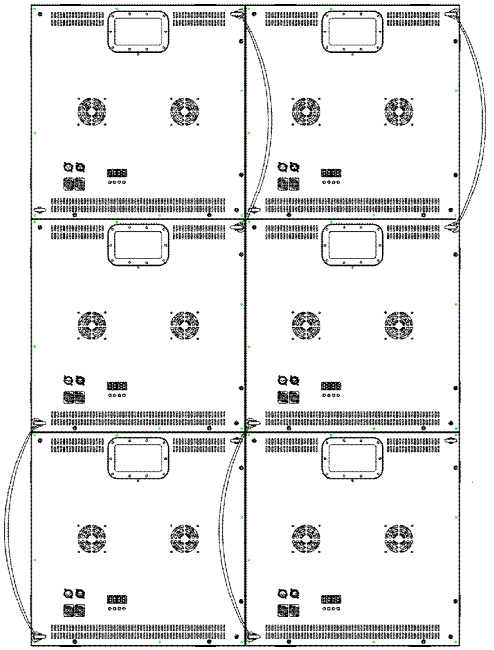
Installation

Stacking the lightings vertically and horizontally by the locks on the side



Warning!

Install the safety cable to the structure and anchor the cable to the dedicated attachment point on the base. The attachment point is designed to fit a carabiner clamp.



Control panel

Button functions

ESC	Call the main menu, or escape the current menu(i.e. return to the upper menu and give up the selected item or parameter)
UP	Browse the menu item forward or increase the parameter
DOWN	Browse the menu item backward or decrease the parameter
ENTER	Confirm the selected item or parameter(i.e. enter the next menu, or escape the current menu and save the selected item or parameter)

Common operations

Stand alone operation

Press ESC button until the lighting shows SEt , then press ENTER to enter the SET menu , and use UP or DOWN buttons to browse to MANL , then press enter to enter and browse to ALon , and then press ENTER to confirm , the lighting enter Stand alone mode .

Master and slave operation

1. Connect DMX OUT of the first lighting to DMX IN of the second lighting with DMX signal cable, and then connect DMX OUT of the second lighting to DMX IN of the third lighting, and so on.
2. Set one lighting to master-device, others to slave-device, then all lightings run synchronously flow the master-device.

   Master setting method ：

   Press ESC button until the lighting shows SEt, then press ENTER to enter the SET menu, and use UP or DOWN buttons to browse to MANL, then press enter to enter and browse to MASt, and then press ENTER to confirm.

Slave setting method：

Press the menu to A001 position (with actually stored address).

DMX mode

In DMX mode, the lighting can controlled by controller.

1. Connect controller to DMX IN of the first lighting , connect DMX OUT of the first lighting to DMX IN of the second lighting , then connect DMX OUT of the second lighting to DMX IN of the third lighting , and so on .

   Insert a termination plug in the output of the last fixture on the link. (The termination plug, which is a male XLR plug with a 120 ohm, 0.25 watt resistor soldered between pins 2 and 3, “soaks up” the control signal so it does not reflect and cause interference.)
2. Press the menu to A001 position(with actually stored address) , the lighting enter DMX mode .
3. Set DMX address

   While the lighting shows A001 (with actually stored address) , press enter , it shows DMX , press ENTER again and use UP or DOWN buttons to browse to Addr , then press ENTER to enter and use UP and DOWN to adjust the DMX address and press ENTER to save it .

   In DMX mode, a fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that uses 3 DMX channels and was addressed to start on DMX channel 1, would read data from channels: 1, 2, 3. Choose start addresses so that the channels used do not overlap, and note the start address selected for future reference. Note that assign the same address to the different lightings, they will receive the same signal.

DMX protocol

This lighting has 3 channel modes : 25 channels mode , 5 channels mode , 30 channels mode

The default mode is 25 Channels Mode. If you want to alter it, enter DMX menu.

25 channels mode

Channel	DMX value	Function
CH1~CH25	000-255	Individual LEDs dimmer(dark to bright)

5 channels mode

Channel	DMX value	Function
CH1	000 - 255	Global Dimmer(dark to bright)
CH2	Strobe	
	000-005	shutter open
	006-064	strobe1(fast to slow)
	065-069	shutter open
	070-084	strobe2:opening pulse(fast to slow)
	085-089	shutter open
	090-104	strobe3: closing pulse (fast to slow)
	105-109	shutter open
	110-124	strobe4:random strobe(fast to slow)
	125-129	shutter open
	130-144	strobe5:random opening pulse(fast to slow)
	145-149	shutter open
	150-164	strobe6: random closing pulse (fast to slow)
	165-169	shutter open
	170-184	strobe7:burst pulse(fast to slow)
	185-189	shutter open
	190-204	strobe8:random burst pulse (fast to slow)
	205-255	shutter open
CH3	programs	
	000-009	No effect
	010-155	Built-in programs
	156-255	No effect
CH4	scenes	
	000-255	Built-in scenes
CH5	000-255	Program speed
	000	Normal
	001-255	Fast to slow

30 channels mode

Channel	DMX value	Function
CH1	000 - 255	Global Dimmer(dark to bright)
CH2	Strobe	
	000-005	shutter open
	006-064	strobe1(fast to slow)
	065-069	shutter open
	070-084	strobe2:opening pulse(fast to slow)
	085-089	shutter open
	090-104	strobe3: closing pulse (fast to slow)
	105-109	shutter open
	110-124	strobe4:random strobe(fast to slow)
	125-129	shutter open
	130-144	strobe5:random opening pulse(fast to slow)
	145-149	shutter open
	150-164	strobe6: random closing pulse (fast to slow)
	165-169	shutter open
	170-184	strobe7:burst pulse(fast to slow)

	185-189	shutter open
	190-204	strobe8:random burst pulse (fast to slow)
	205-255	shutter open
CH3	programs	
	000-009	No effect
	010-155	Built-in programs
	156-255	No effect
CH4	scenes	
	000-255	Built-in scenes
CH5	000-255	Program speed
	000	Normal
	001-255	Fast to slow
CH6~CH30	000-255	Individual LEDs dimmer(dark to bright)

Menu

Menu Navigation

SET Menu←ESC←A001→ENT→**DMX Menu**

UP↑ ↓DN

SET Menu←ESC←AdJ→ENT→**Adjustment menu**

UP↑ ↓DN

SET Menu←ESC←SCEn→ENT→**Scenes menu**

UP↑ ↓DN

SET Menu←ESC←ProG→ENT→**Built-in program menu**

UP↑ ↓DN

1. SET Menu

SEt

├rELd ; Reload default

| ├on

| └oFF

├MAAL ; Master/stand-alone setting

| ├MASt ; Master mode

| └ALon ; Stand-alone mode

├tCSu ; Temperature control, it will reduce the output after over temperature

| ├tMSh

| | ├on ; Enable the switch(default)

| | └oFF ; Disable the switch

| └tEMP (password protected)

| ├CAPt ; Capture the current temperature

| └tSEt ; Set the value of the TC switch

├FAn ; Fan speed control

| ├FuLL ; Full speed

| └Auto ; Auto

└SoFt ; Soft information

2. DMX Menu

dMX

├Addr DMX address

| └ A001

└ ChS ; Channel mode selection

├ Ch25 ; 25-channel mode (default)

├ Ch05 ; 5-channel mode

└ Ch30 ; 30-channel mode

3. Adjustment menu

AdJ

├Gd IN ; Global dimmer

| └000-255

└Stob

└ 000-255 ; Strobe(0=no stobe,1~255=fast to slow)

4. Scenes Menu

SCEn ;
├nom : ; Select scenes
| └0-027
├d IN ; Dimmer
| └000-255
└Stob
└000-255 ; Strobe(0=no stobe,1~255=fast to slow)

5. Built-in program menu

ProG ; Built-in programs
├Pnu ; Select built-in program
| └001-020 ;
├SPEd ; Program speed
| └0-255
└Gd IN ; Global dimmer
└000-255

Technical specifications

Voltage：100-240V, 50/60Hz

Power：330W

light source：25 pcs 10W white LEDs

Control mode：DMX Mode、Master/slave mode

Channel QTY: 5 /25 /30selected by menu

IP rating: IP 20

Working temperature : -20℃~ +40℃

Dimensions: 575*575*90mm(whithout handle)

Net weight: 9.6kg